

**ABSTRACT OF THE DISCLOSURE**

The low-profile back plane interconnection device includes a back plane, a daughter card, and a shroud. The back plane includes an optical fiber. The optical fiber of the back plane includes a terminal end. The terminal end of the optical fiber of the back plane has a terminal surface that is oriented at an angle relative to the longitudinal length direction of the optical fiber of the back plane. The shroud is mounted to the daughter card. The shroud includes an optical fiber, and a lens. The optical fiber of the shroud has a terminal end. The terminal end of the optical fiber of the shroud is in optical communication with the terminal end of the optical fiber of the back plane via the lens.